ABSTRACT:

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~~Method of modulation and demodulation of a digital signal, in particular in a frequency band affected by flat fading, associated modulator and demodulator~~

~~Broadcasting on the FM band presents a major drawback in respect of digital transmission by virtue of a propagation problem called spatial fading or flat fading. The invention proposes a~~

A method of modulating a digital signal of width L in frequency on a given useful frequency band is described ~~characterized in that it comprises the following steps:~~ ~~comprising:[[-]] a separation of the~~ The digital signal is separated into N blocks b_n ($1 \leq n \leq N$) , [[,]] [[-]] ~~a splitting of the~~ The given useful frequency band is split into N contiguous parts P_n [[,]] , [[-]] ~~a definition of channels~~ Channels C_n, of width l_n in frequency, lying within an associated part P_n, are defined. [[the]] The channels C_n ~~being~~ are separated, [[-]] a distributing of each block of digital signals b_n over the associated channel C_n.

~~[Figure 1]~~